

WIDEBAND SLOTTED PHASED ARRAY ANTENNA  
AND ASSOCIATED METHODS

Abstract of the Disclosure

A phased array antenna includes a substrate, and a patterned conductive layer is on the substrate. The patterned conductive layer defines a plurality of slotted dipole antenna elements each having a medial feed portion associated therewith. Each slotted dipole antenna element includes a pair of slotted legs extending outwardly from the medial feed portion. Pairs of adjacent slotted legs of adjacent slotted dipole antenna elements include respective spaced apart end portions having predetermined shapes and relative positioning to provide increased inductive coupling between the adjacent slotted dipole antenna elements.